

WHAT IS CLAIMED IS:

1. A management device in a policy based management system for managing policy information by means of the management device, and distributing the policy information
5 to the managed device, thereby controlling a traffic, said management device comprising:

a policy information input means for inputting policy information;

10 a policy evaluation information input means for inputting evaluation information for evaluating an enforcement effect of a policy in the managed device;

a policy adjustment information input means for inputting adjustment information for dynamically adjusting, a policy operated by the managed device; and

15 a distribution means for distributing the input policy information, policy evaluation information, and policy adjustment information to the managed device.

20 2. A management device in a policy based management system as claimed in claim 1, wherein said policy evaluation information contains information for judging whether or not a policy assigned to each traffic conforms to the traffic, and said policy adjustment information contains information
25 for ensuring that a policy judged as nonconformance conforms to said traffic.

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3. A management device in a policy based management system as claimed in claim 2, wherein said policy evaluation
5 information contains information for judging whether or not a policy under operation is insufficient in resources relevant to an actual traffic, and said policy adjustment information contains information for reducing resource insufficiency of a policy.

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4. A management device in a policy based management system as claimed in claim 2, wherein said policy evaluation
information contains information for judging whether or not
15 a policy under operation is insufficient in resources relevant to an actual traffic, and said policy adjustment information contains information for reducing resource excess of a policy.

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5. A managed device in a policy based management system for managing policy information by means of the management device, and distributing the policy information to the managed device, thereby controlling a traffic, said managed
25 device comprising:

a policy enforcement means for enforcing a policy

information distributed from the management device, thereby
controlling a traffic;

a policy evaluation means for evaluating a policy under
operation based on policy evaluation information

5 distributed from the management device; and

a policy adjustment means for dynamically adjusting
a policy under operation based on the policy adjustment
information distributed from the management device and the
evaluation result obtained by evaluation means.

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6. A managed device in a policy based management system
as claimed in claim 5, wherein said policy evaluation means
evaluates whether or not a policy assigned to each traffic
15 conforms to the traffic, and said policy adjustment means
ensures that the policy conforms to the traffic based on
said evaluation means.

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7. A managed device in a policy based management system
as claimed in claim 6, wherein said policy adjustment means
reduces network resources assigned by a policy evaluated
as a resource excess by said evaluation means.

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8. A managed device in a policy based management system

as claimed in claim 6, wherein said policy adjustment means improves a quality of a policy evaluated as resource insufficiency by said evaluation means.

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9. A managed device in a policy based management system as claimed in claim 5, wherein said policy adjustment means adjusts a policy assigned to each traffic in advance based on the evaluation result obtained by said evaluation means.

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10. A managed device in a policy based management system as claimed in claim 5, further comprising a notifying means for notifying the policy information after adjusted to at least one of a management device and another managed device.

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11. A managed device in a policy based management system as claimed in claim 5, wherein said policy adjustment means adjusts a policy based on the notification from another managed device.

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